

AMENDMENTS TO THE CLAIMS

1. – 11. (Cancelled)

12. (Currently Amended) Method for the ~~preventive and curative~~ treatment of alopecia or of hair loss comprising the administration to a patient in need thereof of [[an]] a composition comprising:

a therapeutically effective amount of a peptide conjugate which is not coupled with zinc and which corresponds to general formula (II)

A-X-Gly-His-Lys-Y (II) (SEQ ID NOS: 3-4)

~~in which~~ wherein,

A represents the radical corresponding to

-a monocarboxylic acid of general formula (III)

HOOC-R (III)

~~in which~~

R represents a linear or branched C₁-C₂₄ aliphatic radical optionally substituted with a hydroxyl group, possibly containing one or more unsaturations, -Lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine or retinoic acid~~[[,]]~~ ;

X represents ~~a chain of~~ a bond or 1 to 3 Lys residues, that are optionally methylated, or a bond~~[[,]]~~ ; and

Y represents an -OH or -NH₂ group, the amino acids being in D, L or DL form, in the form of enantiomers or of diastereoisomers, and also the mixtures thereof, including racemic mixtures.

13. (Currently Amended) The method as claimed in claim 12, wherein the acid of general formula (III) is an omega-3 acid ~~chosen from~~ selected from the group consisting of α -linolenic acid, cervonic acid, timnodonic acid and pinolenic acid or a C₁-C₂₄ aliphatic radical ~~chosen from~~ selected from the group consisting of acetic acid, myristic acid, palmitic acid, and hydroxydecanoic and decenoic acids, or an acid ~~chosen from~~ selected from the group consisting of lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine [[or]] and retinoic acid.

14. (Currently Amended) The method as claimed in claim 13, wherein A is ~~chosen from~~ lipoic acid [[and]] or acetic acid.

15. (Currently Amended) The method as claimed in claim 12, wherein the peptide conjugate of formula II is ~~chosen from~~ selected from the group consisting of the peptide conjugates of the following formula:

- 1- A-MeLys-Lys-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 5),
- 2- A-MeLys-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 6),
- 3- A-MeLys-Gly-His-Lys-NH₂ (SEQ ID NO: 7),
- 4- A-MeLys-Lys-Lys-Gly-His-Lys-OH (SEQ-ID NO: 8),
- 5- A-MeLys-Lys-Gly-His-Lys-OH (SEQ ID NO: 9),
- 6- A-MeLys-Gly-His-Lys-OH (SEQ ID NO: 11),
- 8- A-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 12),
- 9- A-Lys-Lys-Gly-His-Lys-OH (SEQ ID NO: 13), and
- 10- A-Lys-Gly-His-Lys-OH (SEQ ID NO: 14),

A being an acid of general formula (III) as defined in claim 12.

16. (Currently Amended) The method as claimed in claim 12, wherein the peptide conjugate of formula II is chosen from:

Lipoyl-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 12), ~~[[and]]~~ or

Ac-Lys-Gly-His-Lys-NH₂ (SEQ ID NO: 12).

17. (Currently Amended) The method as claimed in claim 12, wherein, ~~combined with the peptide conjugate of formula II, is~~ said composition further comprises a compound that improves hair regrowth, ~~chosen from~~ selected from the group consisting of minoxidil, nicotinic acid esters, anti-inflammatory agents, retinoic acid or derivatives thereof, retinol ~~[[or]]~~ and 5 α -reductase inhibitors.

18. (Cancelled)

19. (Currently Amended) The method as claimed in claim 12, wherein the administration is made by topical route and wherein said composition further comprises a UVB-screening agent ~~chosen from~~ selected from the group consisting of p-aminobenzoic acid ~~or PABA (PABA)~~ and esters thereof, cinnamates, salicylates, benzimidazoles, benzylidenecamphor derivatives, and triazines, ~~is combined to the peptide conjugate of formula II.~~

20.- 22. (Cancelled)

23. (Previously Presented) The method as claimed in claim 12, wherein the administration is an application to the scalp of the patient.

24. (New) The method as claimed in claim 12, wherein the peptide conjugate of formula (II) is present at a concentration of between 10^{-8} and 10^{-3} M of the total concentration.